

Claims

1. A method for operating a mobile device having a touch sensitive display, **characterized** in that the touch sensitive display is divided in adjustable input and output portions (200) and the method comprises the steps of:
 - 5 - displaying a plurality of keys within an input portion of the touch sensitive display,
 - detecting (201) a first location of a tactile input on an input portion of the touch sensitive display displaying a plurality of keys,
 - zooming (203) the input portion display view by displaying and linearly magnifying a certain area within which the tactile input was detected,
 - 10 - detecting (204) a second location of a tactile input after magnifying said certain area,
 - highlighting (205) a key on the location of the second detected tactile input (204) and
 - 15 - activating (206) a selected, highlighted key (205) and identifying the key as an input.
2. A method according to claim 1, **characterized** in that the divided input and output portions in the touch sensitive display are adjusted application specific.
3. A method according to claim 1, **characterized** in that the divided input and output portions in the touch sensitive display are user adjustable.
- 20 4. A method according to claim 1, **characterized** in that the step of detecting a first location of an input (201) includes a step of discriminating whether the type of intended input was controlling a function or a mode of the device (202) or selecting a key displayed within an input portion of the display.
- 25 5. A method according to claim 1, **characterized** in that the zooming step (203) magnifies the touched input area and its surroundings in the display by a predetermined rate.
6. A method according to claim 5, **characterized** in that the magnification rate is specified by an application.

7. A method according to claim 5, **characterized** in that the magnification rate is determined by a user.
8. A method according to claim 1, **characterized** in that in the zooming step (203) the area and the surroundings of a tactile input are magnified and the rest of the input view (302a, 302b, 302c) is hidden.
9. A method according to claim 1, **characterized** in that as a response to a persisting tactile input within an input area of the display the zooming step is performed a plurality of times.
10. A method according to claim 9, **characterized** in that in the zooming step the magnification is implemented in sequential steps.
11. A method according to claim 9, **characterized** in that in the zooming step the magnification is implemented stepless as a response to a persisting tactile input.
12. A method according to claim 1, **characterized** in that the activating step is performed as a response to the tactile input being released.
13. A method according to claim 1, **characterized** in that at least one of the first (201) and second (204) location detection steps of and the activating step is performed as a response to the tactile input having been fixed for a predetermined period of time.
14. A method according to claim 1, **characterized** in that after the activating step is performed, the display view is displayed in a zoomed mode or returned back to an original mode depending on an application specific determinations.
15. A method according to claim 1, **characterized** in that after the activating step is performed, the display view is displayed in a zoomed mode or returned back to an original mode depending on a user specific determinations.
16. A mobile device having a touch sensitive display, **characterized** in that the touch sensitive display is divided into adjustable input and output portions (200) and the apparatus includes
- means for detecting a tactile input (201) on an input portion of a touch sensitive display (302a, 302b, 302c) displaying a plurality of keys,

- means for zooming an input portion display view for displaying and linearly magnifying the detected tactile input area and its surrounding (107, 106, 105),
 - means for highlighting a key (205) on a location of a second detected tactile input (204), and
 - 5 - means for activating (206) a highlighted key (205) and identifying the selected key as an input.
17. An apparatus according to claim 16, **characterized** in that it includes means for adjusting the input and output portions application specific.
18. An apparatus according to claim 16, **characterized** in that the input and output
10 portions are user-adjustable.
19. An apparatus according to claim 16, **characterized** in that it includes a processor (107) coupled to the touch sensitive display (100) for detecting a tactile input.
20. An apparatus according to claim 16, **characterized** in that it also includes means for discriminating a type of a tactile input (102).
- 15 21. An apparatus according to claim 20, **characterized** in that it includes a processor (107) for comparing the differences in times and locations of the detected tactile inputs (201, 204) for discriminating the type of a tactile input.
22. An apparatus according to claim 16, **characterized** in that it includes means for magnifying a determined area linearly and hiding the rest of an input portion of
20 a display view (107, 106, 105).
23. An apparatus according to claim 22, **characterized** in that it includes means for specifying the magnification rate by an application.
24. An apparatus according to claim 22, **characterized** in that it includes means for determining the magnification rate by a user.
- 25 25. An apparatus according to claim 22, **characterized** in that it includes means for magnifying a determined area in sequential steps.
26. An apparatus according to claim 22, **characterized** in that it includes means for magnifying a determined area stepless as a response to a persisting tactile input.

27. An apparatus according to claim 16, **characterized** in that it includes means for displaying a symbol or executing a function as a response to an activating tactile input.
28. An apparatus according to claim 16, **characterized** in that it includes means
5 for scrolling the viewed input portion of a display (305) for changing the viewed area of an input portion of a touch sensitive display (302c).